

Abstract

Chromatography Column Distribution System

A chromatography column distribution system (101) comprises a set of first bed
5 support ribs (107) extending radially from a inner, first radial position (R1) near the centre of
the plate to a outer radial position nearer to the periphery (109) of the plate and at least one set
of intermediate bed support ribs (117, 119) starting at an intermediate radial position (R2, R3)
and extending to an outer radial position nearer to the periphery (109) of the plate (101),
whereby channels are formed between adjacent bed support ribs (107, 117, 119). The desired
10 local effective channel height is intended to vary in accordance with a predetermined formula
from said first radial position (R1) to said outer radial position, and in accordance with the
present invention the transverse cross-sectional areas of said ribs (107, 117, 119) or said
channels are adapted such that the actual local effective channel height is within 15% of the
desired local effective channel height over portions of the distribution system situated
15 between said first radial position (R1) and said outer radial position, wherein the total length
of said portions correspond to at least 80% of the distance between said first radial position
(R1) and said outer radial position.